

AMENDMENTS TO THE CLAIMS

1. (Original) A torque detecting apparatus comprising:
a rotary shaft;
a housing for supporting the rotary shaft;
a sensor unit, retained in the housing, for producing an output corresponding to rotational torque applied to the rotary shaft;
a circuit board, mounted in the housing, for supplying the output of the sensor unit to an external device; and
a connection part for connecting the sensor unit and the circuit board,
wherein the circuit board and the connection part are integrally coated with synthetic resin.

2. (Original) The torque detecting apparatus according to Claim 1, wherein the sensor unit is coated with synthetic resin integrally with the circuit board and the connection part.

3.(Original) The torque detecting apparatus according to Claim 2, wherein the synthetic resin includes at least one of PBT, PPS, PA6, PA66 and PA12.

4. (Original) The torque detecting apparatus according to Claim 1, wherein the synthetic resin includes at least one of PBT, PPS, PA6, PA66 and PA12.

5. (Previously presented) A torque detector comprising:
a housing;
a shaft rotatably supported in the housing;
a sensor unit in the housing producing an output indicative of a rotational torque applied to the rotary shaft;
a circuit board in the housing electrically connected to the sensor by a connection part between the circuit board and the sensor, the circuit board supplying an output of the sensor unit to an external device; and

a layer of synthetic resin integrally coating the circuit board and connection part.

6. (Previously presented) The torque detector of claim 5 wherein said layer of synthetic resin integrally coats the circuit board, the connection part and the sensor.

7. (Previously presented) The torque detector of Claim 5, wherein the synthetic resin includes a material selected from the group consisting of PBT, PPS, PA6, PA66 and PA12.

8. (Previously presented) The torque detector of Claim 6, wherein the synthetic resin includes a material selected from the group consisting of PBT, PPS, PA6, PA66 and PA12.

Claims 9 and 10 (Cancelled).

11. (New) A torque detecting apparatus comprising:

a rotary shaft;

a housing for supporting the rotary shaft;

a sensor unit, retained in the housing, for producing an output corresponding to rotational torque applied to the rotary shaft;

a circuit board, mounted in the housing, for supplying the output of the sensor unit through a connection part for connecting the sensor unit and the circuit board to an external device; and

wherein the sensor unit, the circuit board and the connection part are integrally coated with synthetic resin.